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**Date:** April 23, 2007 **Number of pages (including cover):** 17**To:** Examiner Halssa Philogene, U.S. Patent and Trademark Office**Fax No.:** (571) 273-8300**Serial No.:** 09/989,677**Title:** **INFORMATION SYSTEMS****From:** Joseph Teja, Jr.**Direct dial:** 617.646.8249**Our File #:** C1104.70095US00**CERTIFICATE OF FACSIMILE TRANSMISSION 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being transmitted via facsimile to the attention of Examiner Halssa Philogene, FAX number (571) 273-8300, at the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, in accordance with 37 C.F.R. §1.6(d), on the 23rd day of April, 2007.

  
Jeanne W. Chub**ORIGINAL DOCUMENTS WILL NOT BE MAILED.**

**MESSAGE:** Transmitted herewith are:  
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COPY

Serial No. 09/989,677 File No. COMB4/70095 By: RJP/JTTitle: INFORMATION SYSTEMSApplication of: KEVIN DOWLING, ET AL.WGS Date: NDD

The U.S. PTO Mail Room acknowledges receipt of the following on the date stamped hereon:

<input type="checkbox"/> Mailing by Express Mail (37 CFR 1.10)	<input checked="" type="checkbox"/> Provisional Application Cover Sheet
<input type="checkbox"/> Express Mail Label No. _____	<input type="checkbox"/> Multiple Dependent Claim Fee Sheet
<input type="checkbox"/> Patent Application	<input type="checkbox"/> Inf. Disc. Statement, PTO Form 1449
<input type="checkbox"/> Non-provisional <input type="checkbox"/> Provisional	<input checked="" type="checkbox"/> References Cited
Incl. _____ pages, (    ) Specification	<input type="checkbox"/> Priority Document(s) # _____
(    ) Abstract, (    ) Claims	<input type="checkbox"/> Copy of Notice to File Missing Parts
<input type="checkbox"/> Design Patent Application	<input type="checkbox"/> Amendment/Response
<input type="checkbox"/> Declaration(s)	<input type="checkbox"/> Petition for Ext. of Time (x2)
<input type="checkbox"/> Drawings _____ Sheet(s) (FIGS. _____)	<input type="checkbox"/> Issue Fee Transmittal
<input type="checkbox"/> Formal <input type="checkbox"/> Informal	<input type="checkbox"/> Letter to Official Draftsperson
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<input type="checkbox"/> CPA Transmittal	<input type="checkbox"/> Check for \$ _____ Check # _____
<input type="checkbox"/> Verified Statement claiming small entity status	<input type="checkbox"/> Transmittal Letter (x2)
<input type="checkbox"/> Assignment and Cover Sheet	<input type="checkbox"/> Cert. of Mailing under 37 CFR 1.8(e)
<input type="checkbox"/> Other _____	

DATE MAILED

3-6-2003

- APR 23 2007

ATTORNEY'S DOCKET NO: C01104/70095

RJP/JT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kevin Dowling, Frederick Morgan, Brian Chemel,  
Adriana Mincheva, and Ihor A. Lys  
Serial No: 09/989,677  
Confirm No.: 9718  
Filed: November 20, 2001  
For: INFORMATION SYSTEMS  
  
Examiner: Unassigned  
Art Unit: 2857

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on March 6, 2003.

Jamnie Michalski  
Jamnie Michalski

Commissioner for Patents  
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

Transmitted herewith for filing are the following documents:

- ☒ STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98  
PTO FORM 1449 AND REFERENCES CITED  
☒ RETURN POST CARD

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch are respectfully requested to contact the undersigned collect at (617)720-3500, Boston, Massachusetts.

No check is enclosed. If a fee is needed, it may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

Kevin Dowling, et al., Applicants

By: Joseph Teja, Jr.  
Joseph Teja, Jr., Reg. No. 45,157  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210  
Telephone (617) 720-3500

Docket No. C01104/70095  
Dated: March 6, 2003  
X (NDD)

APR 23 2007

ATTORNEY'S DOCKET NO: C01104/70095

RJP/JT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kevin Dowling, Frederick Morgan, Brian Chemel,  
Adriana Mincheva, and Ihor A. Lys  
Serial No: 09/989,677  
Confirm No.: 9718  
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For: INFORMATION SYSTEMS

Examiner: Unassigned  
Art Unit: 2857

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on March 16, 2003.

  
Jakine Michalski

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Commissioner for Patents  
Washington, D.C. 20231

Sir:

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

..... This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case. No fee or certification is required.

**PART II: Information Cited**

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

Serial No. 09/989,677

- 2 -

Art Unit: 2857

PART III: Remarks

Documents cited on the attached form PTO-1449 (modified) are enclosed unless otherwise indicated on the attached form PTO-1449 (modified). It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

*Kevln Dowling, et al., Applicants*

By: 

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Attorneys for Applicants

Docket No. C01104/70095

Dated: March 12, 2003

FORM PTO-1449/A and B (Modified)

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

APPLICATION NO.: 09/989,677

ATTY. DOCKET NO.: C01104/70095

FILING DATE: November 20, 2001

APPLICANT: Kevin Dowling, et al.

GROUP ART UNIT: 2857

EXAMINER: Unassigned

Sheet 1 of 7

## **U.S. PATENT DOCUMENTS**

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
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		* 3,858,086		Anderson, et al.	12/31/1974
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		* 3,958,885		Stockinger, et al.	05/25/1976
		* 3,974,637		Bergey, et al.	08/17/1976
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		* 4,392,187		Bornhorst	07/05/1983
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FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

APPLICATION NO.: 09/989,677

ATTY. DOCKET NO.: C01104/70095

FILING DATE: November 20, 2001

APPLICANT: Kevin Dowling, et al.

GROUP ART UNIT: 2857

EXAMINER: Unassigned

Sheet 2 of 7

	* 4,635,052	Aoike, et al.	01/06/1987
	* 4,647,217	Havel	03/03/1987
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	* 4,740,882	Miller	04/26/1988
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<b>FORM PTO-1449/A and B (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICATION NO.: 09/989,677		ATTY. DOCKET NO.: C01104/70095	
		FILING DATE: November 20, 2001			
		APPLICANT: Kevin Dowling, et al.			
		GROUP ART UNIT: 2857	EXAMINER: Unassigned		
Sheet	3	of	7		

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	* 5,027,262	Freed	06/25/1991
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<b>FORM PTO-1449/A and B (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICATION NO.: 09/989,677		ATTY. DOCKET NO.: C01104/70095	
		FILING DATE: November 20, 2001			
		APPLICANT: Kevin Dowling, et al.			
		GROUP ART UNIT: 2857		EXAMINER: Unassigned	
Sheet	4	of	7		

	* 5,410,328	Yoksza, et al.	04/25/1995
	* 5,412,284	Moore, et al.	05/02/1995
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<b>FORM PTO-1449/A and B (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICATION NO.: 09/989,677		ATTY. DOCKET NO.: C01104/70095	
		FILING DATE: November 20, 2001			
		APPLICANT: Kevin Dowling, et al.			
		GROUP ART UNIT: 2857		EXAMINER: Unassigned	
Sheet	5	of	7		

	* 5,821,695		Vilanilam, et al.	10/13/1998
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	* 6,292,901	B1	Lys, et al.	09/18/2001
	* 6,310,590	B1	Havel	10/30/2001

<b>FORM PTO-1449/A and B (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 09/989,677		ATTY. DOCKET NO.: C01104/70095	
				FILING DATE: November 20, 2001			
				APPLICANT: Kevin Dowling, et al.			
				GROUP ART UNIT: 2857		EXAMINER: Unassigned	
Sheet	6	of	7				

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		* 6,323,832	B1	Nishizawa, et al.	11/27/2001
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## FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
			* AU 6 267 9			12/30/1996	
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			* EP 0495305	A2		07/22/1992	
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			* WO 95/13498			05/18/1995	
			* WO 96/41098			12/19/1996	
			* WO 02/061328	A1		08/08/2002	

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		* "LM117/LM317A/LM317 3-Terminal Adjustable Regulator", National Semiconductor Corporation, May 1997, pp. 1-20	

<b>FORM PTO-1449/A and B (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICATION NO.: 09/989,677		ATTY. DOCKET NO.: C01104/70095	
		FILING DATE: November 20, 2001			
		APPLICANT: Kevin Dowling, et al.			
		GROUP ART UNIT: 2857		EXAMINER: Unassigned	
Sheet	7	of	7		

		* "DS96177 RS-485 / RS-422 Differential Bus Repeater", National Semiconductor Corporation, February 1996, pp. 1-8		
		* "DS2003 / DA9667 / DS2004 High Current / Voltage Darlington Drivers", National Semiconductor Corporation, December 1995, pp. 1-8		
		* "LM140A / LM140 / LM340A / LM7800C Series 3 - Terminal Positive Regulators", National Semiconductor Corporation, January 1995, pp. 1-14		
		* High End Systems, Inc., Trackspot User Manual, August 1997, Excerpts (Cover, Title page, pp. ii through iii and 2-13 through 2-14)		
		* Artistic License, AL4000 DMX512 Processors, Revision 3.4, June 2000, Excerpts (Cover, pp. 7,92 through 102)		
		* Artistic License, Miscellaneous Drawings (3 sheets) January 12, 1995		
		* Artistic License, Miscellaneous Documents (2 sheets February 1995 and April 1996)		
		* Newnes's Dictionary of Electronics, Fourth Edition, S.W. Amos, et al., Preface to First Edition, pp. 278-279		
		* "http://www.luminaus.cx/projects/chaser", (November 13, 2000), pp. 1-16		

EXAMINER	DATE CONSIDERED
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in prior applications:

Serial No. 09/669,121, filed September 25, 2000;  
 Serial No. 09/425,770, filed October 22, 1999;  
 Serial No. 08/920,156, filed August 26, 1997;  
 Serial No. 09/213,540, filed December 17, 1998;  
 Serial No. 09/213,581, filed December 17, 1998;  
 Serial No. 09/213,548, filed December 17, 1998;  
 Serial No. 09/815,418, filed March 22, 2001;  
 Serial No. 09/213,607, filed December 17, 1998;

Serial No. 09/215,624, filed December 17, 1998;  
 Serial No. 09/333,739, filed June 15, 1999;  
 Serial No. 09/742,017, filed December 20, 2000;  
 Serial No. 09/213,659, filed December 17, 1998;  
 Serial No. 09/213,189, filed December 17, 1998;  
 Serial No. 09/626,905, filed July 27, 2000;  
 Serial No. 09/213,537, filed December 17, 1998;

which are relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

COPY

Serial No. 09/989,677 File No. C01104/90095 By: RFG/JT  
 Title: INFORMATION SYSTEMS  
 Application of: KEVIN DAWLING, ET AL. WGS Date: NDD

The U.S. PTO Mail Room acknowledges receipt of the following on the date stamped hereon:

<p><input type="checkbox"/> Mailing by Express Mail (37 CFR 1.10)          Express Mail Label No. _____  <input type="checkbox"/> Patent Application              <input type="checkbox"/> Non-provisional <input type="checkbox"/> Provisional              Incl. _____ pages, ( _____ pgs) Specification,              ( _____ pgs) Abstract, ( _____ pgs) Claims ( _____ # claims)  <input type="checkbox"/> Design Patent Application          Declaration(s) _____          Drawings _____ Sheet(s) (FIGS. _____)              <input type="checkbox"/> Formal <input type="checkbox"/> Informal  <input type="checkbox"/> Utility Patent Application Transmittal          Fee calculation sheet (x2)          CPA Transmittal          Verified Statement claiming small entity status          Assignment and Cover Sheet</p>	<p><input checked="" type="checkbox"/> Provisional Application Cover Sheet  <input checked="" type="checkbox"/> Multiple Dependent Claim Fee Sheet  <input checked="" type="checkbox"/> Inf. Disc. Statement, PTO Form 1449  <input checked="" type="checkbox"/> References Cited          Priority Document(s) # _____          Copy of Notice to File Missing Parts          Amendment/Response          Petition for Ext. of Time (x2)          Issue Fee Transmittal          Letter to Official Draftsperson          Notice of Appeal          Brief (x3)          Check for \$ _____ Check # _____  <input checked="" type="checkbox"/> Transmittal Letter (x2)  <input checked="" type="checkbox"/> Cert. of Mailing under 37 CFR 1.8(a)</p>
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☐ Other \_\_\_\_\_

DATE MAILED

APR 15 2002

9-11-2002

APR 23 2007

ATTORNEY'S DOCKET NO: C01104/70095

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kevin Dowling, et al.  
Serial No: 09/989,677  
Confirm. No: 9718  
Filed: November 20, 2001  
For: INFORMATION SYSTEMS  
Examiner: Not Yet Assigned  
Art Unit: 2857

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on April 11, 2002.

  
Janine Michalski

Commissioner for Patents  
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

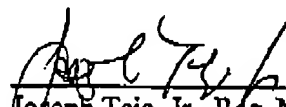
Transmitted herewith for filing are the following documents:

- ☒ Information Disclosure Statement, PTO Form 1449 with References Cited  
☒ Return Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (617)720-3500, Boston, Massachusetts.

No fee is required. If the fee is insufficient, the balance may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully Submitted,

  
Joseph Teja, Jr., Reg. No. 45,157  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210-2211  
(617) 720-3500

Docket No.: C01104/70095  
Date: April 11, 2002

607602.1

APR 23 2007


ATTORNEY'S DOCKET NO: C01104/70095

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kevin Dowling, et al.  
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For: INFORMATION SYSTEMS  
Examiner: Not Yet Assigned  
Art Unit: 2857

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on April 11, 2002.

  
Jarine Michalski

Commissioner for Patents  
Washington, D.C. 20231

Sir:

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case. No fee or certification is required.

**PART II: Information Cited**

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

607589.1

Serial No.: 09/989,677

- 2 -

Art Unit: 2857

PART III: Remarks

Documents cited on the attached form PTO-1449 (modified) are enclosed unless otherwise indicated on the attached form PTO-1449 (modified). It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By: 

Joseph Teja, Jr., Reg. No. 45,157  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210

Docket No. C01104/70095

Dated: April 11, 2002

Telephone (617) 720-3500

607389.1



APR 23 2007

FORM PTO-1449/A and B (Modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICATION NO.: 09/989,677	ATTY. DOCKET NO.: C01104/70095
		FILING DATE: 11/20/01	CONFIRMATION NO.: 9718
		APPLICANT: Kevin Dowling, et al.	
		GROUP ART UNIT: 2857	EXAMINER: Not Yet Assigned
Sheet	1	of	1

## U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		6,330,314	B1	Motooka	12/11/2001
		6,215,409 ✓	B1	Blach	04/10/2001
		5,975,728		Weyer	11/02/1999
		5,921,652		Parker et al.	07/13/1999
		2001/0006380	A1	Jeong	07/05/2001

## FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		WO	01/53133	A1	AUTO-LIV DEVELOPMENT AB	07-26-2001	

## OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		Co-pending U.S. Patent Application, Serial No. 09/989,747, filed November 20, 2001, Ihor A. Lys, et al., "Packaged Information Systems"	
		Co-pending U.S. Patent Application, Serial No. 09/989,095, filed November 20, 2001, Ihor A. Lys, et al., "Automotive Information Systems"	

EXAMINER	DATE CONSIDERED
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~~EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.~~  
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relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).  
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